

ABSTRACT OF THE DISCLOSURE

A voltage boosting circuit in which a changing rate of current is limited to reduce noise. An oscillator circuit sends a plurality of oscillating signals differing in edge timing from each other. An enable circuit counts the
5 number of the edges of at least one of the oscillating signals from a start of a boosting operation, and generates an enable signal for instructing a boosting power control circuit to reduce the boosting power of the corresponding one of pumping circuits until the count value becomes a set value. The boosting power control circuit controls the boosting power of each pumping circuit in
10 response to the enable signal. Each pumping circuit performs a boosting operation by charging and discharging a pumping capacitor by using the corresponding one of the oscillated signals. The pumping circuits generate a boosted voltage by combining their outputs signals.